

CLIMATOLOGICAL DATA

1

ALABAMA SECTION

E. D. EMIGR

VOL. XLIII MONTGOMERY, ALA., SEPTEMBER 1937 No. 9

GENERAL SUMMARY

Temperatures were generally above normal through the first 11 days, but dropped decidedly on the 12th. Thereafter, they were mostly rather low except from the 20-24th, when they were generally above normal. In most of the Northern Division maximum temperatures as high as 90° failed to occur.

On account of the fact that most of the rain fell near the first of the month, the month was rather dry, notwithstanding the fact that the monthly rainfall totals averaged above normal in the Middle and Southern Divisions and near normal in the Northern Division. Rain was frequent over most of the State through the 11th, although mostly light after the 2d. Unusually heavy rain fell in southeast Alabama from Montgomery to beyond Houston County on August 31-September 1. After the 11th precipitation was infrequent and light, there being a streak about 50 miles wide running southwest to northeast through the center of the State in which no rain was reported. Light rain fell in most of the northwestern third of the State on the 16th, and in parts of the southeastern third on the 19th and 26th. Little was reported anywhere on other dates.

The rains of the first 11 days did considerable damage to open cotton in all sections and severe damage in southeastern counties and locally elsewhere, but the remainder of the month was very favorable for picking. Nearly all picking was completed in southern counties, while in the middle counties it was well advanced at the end of the month. Truck and pastures were in good shape during the month, but were beginning to need rain at the end.

There were no damaging wind or hail storms.

Due to the heavy rainfall in southeast Alabama on August 31-September 1, there was a sharp rise in the Pea River and a moderate flood in the Choctawhatchie River. Damage to property and crops on the Choctawhatchie River was estimated to exceed \$42,500. Although the flood stage was not reached on the Pea River, damage in and near Elba amounted to about \$20,000. Much livestock was saved by flood warnings; also property valued at about \$525.—F. C. P.

TEMPERATURE

The monthly mean temperature for the State, determined from the records of 45 stations, was 73.7°, or 2.0° below the normal. The highest local monthly mean was 76.7° at Mobile; the lowest was 69.6° at Scottsboro. The highest temperature recorded was 97° at Robertsdale on the 9th; the lowest was 40° at Riverton on the 29th, making the monthly range for the State 57°. The greatest daily range was 40° at Centerville on the 19th.

PRECIPITATION

The monthly average for the State, determined from the records of 100 stations, was 3.96 inches, or 0.44 inch more than the normal. The greatest monthly amount was 13.70 inches at Ozark; the least was 0.66 inch at Seale. The greatest

amount of precipitation in any 24 hours was 10.86 inches at Newton on August 31-September 1. Precipitation amounting to 0.01 inch or more fell on an average of 7 days.

MISCELLANEOUS PHENOMENA

(Stations and dates.)

Fog.—Albertville, 7, 10; Birmingham Airport, 3, 7, 8, 9, 11, 13, 14, 20; Bridgeport, 4; 5, 7, 15, 16, 21, 29; Centerville, 20; Dadeville, 20; Dothan, 3, 11; Gadsden, 28; Geneva, 6; Guntersville, 4, 7, 14, 15, 22; Lay Dam, 4, 14, 19, 20, 28; Lock No. 2, 20; Lock No. 3, 7; Martin Dam, 15, 20; Maxwell Field, 1, 2, 3, 4, 5, 6, 7, 9, 15, 16, 17, 18, 19, 20, 21, 22, 25, 26, 28, 29; Mobile, 3, 4, 7, 16, 22; Montgomery, 20; Pushmataha, 20; Scottsboro, 8, 16, 21; Selma, 20; Thurlow Dam, 7, 8.

THUNDERSTORMS.—Anniston, 3, 5, 8; Birmingham, 2, 3, 5, 7, 8, 16; Birmingham Airport, 2, 3, 5, 7, 8; Coffee Springs, 9; Dadeville, 2, 8; Dothan, 1, 4, 5, 11; Florence, 2, 5, 16; Gainesville, 5, 16; Highland Home, 11; Mobile, 1, 2, 3, 4, 5, 9, 10, 11; Montgomery, 2, 5, 6; Ozark, 4, 5, 10, 11; Pushmataha, 9; St. Bernard, 2, 3, 5, 8; Scottsboro, 5, 8; Selma, 2, 9, 11.

COMPARATIVE STATE DATA FOR SEPTEMBER

Year	Temperature			Precipitation			Number of days		
	Mean			Divisions		State	Average	Snow	Precip. 0.01 in. or more
		Highest	Lowest	Northern	Middle		Average	fall	Clear
1884	77.9	97	45	6.79	0.32	1.04	0.64	.....	2 12 15 3
1885	74.3	95	40	6.93	4.52	5.67	6.35	.....	11 8 14 14
1886	76.0	95	42	2.45	0.77	1.32	1.61	.....	5 11 18 18
1887	74.6	104	39	2.66	3.32	4.39	3.34	.....	4 12 13 5
1888	71.7	90	35	8.95	5.65	4.36	4.76	.....	9 9 10 11
1889	73.3	100	33	4.61	3.18	4.62	4.04	.....	6 9 13 8
1890	78.7	97	48	7.14	5.68	4.97	6.25	.....	12 7 9 14
1891	73.8	95	46	1.77	1.92	2.25	1.96	.....	5 16 8 6
1892	72.0	97	37	3.86	2.36	3.00	3.20	.....	4 18 8 4
1893	74.8	100	40	4.25	4.17	5.54	4.47	.....	7 16 8 9
1894	75.5	96	45	2.79	2.16	3.02	2.58	.....	6 17 8 5
1895	73.5	101	34	1.98	0.92	1.37	1.46	0.0	5 21 6 8
1896	76.0	104	35	2.19	0.98	1.99	1.76	0.0	4 21 6 8
1897	75.7	102	33	0.28	0.59	0.89	0.65	0.0	2 21 6 8
1898	75.5	100	48	3.18	2.27	7.38	3.81	0.0	6 14 10 10
1899	72.9	104	38	0.65	0.51	0.96	0.67	0.0	2 24 5 11
1900	77.9	100	46	3.92	3.84	4.92	4.01	0.0	4 22 4 7
1901	72.4	95	39	4.59	3.53	3.22	4.08	0.0	6 18 4 7
1902	73.4	97	34	4.14	3.34	5.62	4.24	0.0	8 11 5 11
1903	73.4	102	35	0.87	1.96	2.07	1.49	0.0	3 22 5 5
1904	77.0	104	40	1.37	1.05	2.42	1.34	0.0	4 20 7 3
1905	76.3	102	46	2.52	1.99	4.20	2.57	0.0	6 18 6 6
1906	78.5	100	58	8.55	7.52	10.80	8.42	0.0	14 11 8 11
1907	75.0	104	42	5.68	4.06	7.68	5.41	0.0	9 14 6 10
1908	74.6	101	83	2.65	1.73	4.30	2.83	0.0	5 16 6 8
1909	76.1	101	35	2.98	2.88	3.52	2.92	0.0	7 15 8 7
1910	77.5	101	45	2.17	2.13	2.39	2.21	0.0	6 17 8 6
1911	80.4	105	52	1.84	2.59	2.72	2.82	0.0	6 17 9 4
1912	77.1	103	46	3.64	4.92	6.24	4.70	0.0	9 10 10 10
1913	73.2	103	84	5.82	6.63	10.04	6.95	0.0	11 9 9 12
1914	73.1	100	42	2.99	4.20	6.51	5.69	0.0	8 15 7 8
1915	76.6	102	40	4.37	4.46	4.51	4.43	0.0	5 17 9 4
1916	78.7	100	35	2.11	1.59	3.28	2.18	0.0	6 17 10 3
1917	73.1	98	40	4.02	7.56	8.81	6.42	0.0	7 13 9 8
1918	70.1	97	34	4.43	8.89	4.26	0.0	7 15 6 9	
1919	76.3	100	44	0.45	0.75	1.44	0.77	0.0	2 20 7 3
1920	77.0	99	34	2.03	2.15	7.13	3.31	0.0	6 14 9 7
1921	81.2	102	58	8.89	1.80	2.12	2.73	0.0	7 14 12 4
1922	77.5	102	45	1.24	1.35	2.40	1.61	0.0	5 18 9 3
1923	76.3	96	46	1.37	0.83	1.57	1.21	0.0	4 17 10 3
1924	72.9	99	36	2.65	3.68	8.80	3.41	0.0	8 18 8 9
1925	83.5	112	59	2.66	3.17	1.63	2.71	0.0	6 17 8 5
1926	79.4	99	54	1.39	5.50	12.27	5.42	0.0	6 14 12 4
1927	77.8	105	36	0.84	1.34	2.54	1.43	0.0	3 17 10 3
1928	74.7	98	36	1.91	2.78	4.79	2.92	0.0	6 15 9 6
1929	74.7	98	48	6.68	4.84	6.42	5.85	0.0	11 9 11 10
1930	77.0	101	42	4.82	5.81	9.16	6.38	0.0	12 8 11 11
1931	79.7	106	42	0.87	1.01	2.06	1.25	0.0	4 17 10 3
1932	78.0	100	45	8.58	4.46	6.76	4.80	0.0	8 11 9 10
1933	79.6	102	41	2.50	2.52	1.68	2.30	0.0	6 16 10 4
1934	75.1	99	46	2.96	2.03	1.58	2.02	0.0	6 16 10 4
1935	75.2	99	40	1.62	2.24	3.58	2.35	0.0	5 17 8 5
1936	78.5	100	46	8.13	2.46	2.91	2.80	0.0	7 13 13 4
1937	78.7	97	40	2.09	4.11	5.99	3.96	0.0	7 14 9 7
Period	75.7	112	30	3.04	3.02	4.31	3.31	0.0	6 15 9 6
Period	75.7	112	30	3.04	3.02	4.31	3.31	0.0	6 15 9 6

Climatological Data for September 1937

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.					Precipitation, in inches			Number of days			Prevailing direction of wind	Observers				
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily rainfall	Total	Departure from the annual	Greatest in 24 hours	Snowfall (unmeasured)	With precipitation 0.01 inch or more	Clear	Partly cloudy	Cloudy		
<i>Northern Division</i>																				
Albertville	Marshall	1,114	12	70.5	-3.1	89	5	45	28†	34	2.04	-1.09	0.68	0.0	10	16	4	10	n.	S. H. Strickland,
Amiton	Cahaba	724	47	71.2	-3.1	88	8	48	27†	29	0.75	-2.50	0.13	0.0	10	17	7	6	s.	Mrs. Violet A. Miller,
Bolgreen	Franklin	910	2																	Tenn. Valley Authority,
Birmingham	Jefferson	694	56	73.3	-1.8	89	8	50	27	29	2.81	-0.57	1.85	0.0	4	14	8	8	e.	U. S. Weather Bureau,
Birmingham Airport	do	610	72.3			91	21†	45	28	35	2.06		0.83	0.0	9	13	5	12	e.	Do.
Bishop	Co. Lert	470																		Tenn. Valley Authority,
Bridgeport	Jackson	650	42																	T. J. McDowell,
Calea	Shelby	590	38																	R. N. Griffin,
Center Grove	Morgan	700																		Tenn. Valley Authority,
Childersburg	Talladega	540																		W. M. Barton,
Cochrane	Pickens	140																		Mrs. Ophelia T. Trimble,
Cordova	Walker	334	33																	Arthur Lee Coburn,
Decatur	Morgan	573	69	73.2	-0.8	89	22†	36	28	35	1.88	-0.55	0.49	0.0	9	13	5	12	e.	U. S. Engineers,
Florence	Lauderdale	581	54	72.8	-1.3	90	21†	42	28	36	5.42	+2.60	2.64	0.0	7	17	6	7	ne.	W. M. Davidson,
Florence (at Lock) 39	do																			Arthur W. Murry,
Fort Payne	Dekalb	879	3																	Mrs. Willie M. Selman
Gadsden	Etowah	551	54	73.5	-1.5	94	8	46	29	37	1.12	-1.94	0.43	0.0	7	18	10	2	e.	Alabama Power Co.
Goodwater	Coosa	826	45	72.0	-3.7	89	20†	49	15†	34	2.28	-0.64	0.74	0.0	6	13	12	5		Sam Tompkins,
Gorgas	Walker	300																		W. M. Barton,
Guntersville	Marshall	580	35																	Mrs. Ophelia T. Trimble,
Guntersville Dam	do																			Tenn. Valley Authority,
Hartselle	Winston	947	71.2			88	22†	45	27†	31	4.10		2.50	0.0	8	16	1	13	s.	E. L. Simpson,
Helema	Shelby	416	25																	Jefferson: B. Ruffin,
Huntsville	Madison	615																		Alabama Power Co.
Hytop	Jackson	1,500																		Tenn. Valley Authority,
Jackson Shoals 39	Talladega	475																		Alabama Power Co.
Leeds	Jefferson	636	21																	R. E. Lee,
Lock No. 411	Talladega	510	46	71.6	-3.5	89	84	47	28	32	3.76	+0.35	1.46	0.6	7					U. S. Engineers,
Madison	Madison	573	44	72.0	-2.8	90	22†	44	18†	37	2.79	-0.37	1.77	0.0	10	17	8	5	s.	Thomas W. Carter,
Magella 39	Jefferson	600	46																	Alabama Power Co.
Maple Grove 44	Cherokee	620																		G. L. Coker,
Meridianville	Madison	600																		Tenn. Valley Authority,
Milltown	Chambers	700	12																	K. H. Gaines,
Oneonta	Blount	837																		U. S. Engineers,
Paint Rock	DeKalb	590																		Tenn. Valley Authority,
Riverton II	Colbert	415	41																	James J. Bevis,
St. Barnard	Cullinan	802	31	70.4	-3.1	90	21†	41	25	38	1.38	-1.65	0.79	0.0	7	16	6	8	se.	F. Gabriel Germann, OSB,
Scottsboro	Jackson	652	58	69.6	-3.2	89	4	43	28†	35	0.93	-2.20	0.30	0.0	9	17	12	1	w.	John W. Matthews,
Sheffield 39	Colbert	605																		T. V. A. Nursery,
South Hill	DeKalb	980																		Alabama Power Co.,
Sylacauga	Talladega	538																		C. D. Weaver,
Talladega	do	654	49	71.8	-3.4*	91	5	46	28	33	2.96	-0.63	0.58	0.0	7	22	3	5	n.	P. S. Phillips,
Tuscaloosa	Tuscaloosa	146	59	74.4	-1.9	94	8	47	28	33	6.96	+3.89	4.90	0.0	10					Mrs. Lula H. Moore,
Tuscumbia	Colbert	488	66	72.8	-0.8	94	10	41	28	39	6.44	+3.72	2.99	0.0	6	15	8	4	sw.	A. J. Moore,
Valley Head	DeKalb	1,031	53	69.8	-2.5	87	21	43	14†	37	2.27	-0.52	0.92	0.0	6	18	12	0		Jay Dunn,
Wedley	Randolph	640	4																	Tenn. Valley Authority,
Wheeler Dam	Lawrence	580																		J. L. Smith:
Winfield (near)	Marion																			
<i>Division means and extremes</i>				71.9	-2.2	94	10†	40	29	39	2.99	-0.06	4.00	0.0	7	16	8	6	e.	
<i>Middle Division</i>																				
Auburn	Lee	732	60	74.4	-1.7	93	7	50	28†	31	1.41	-1.77	0.81	0.0	5	8	13	9	ne.	Prof. J. M. Robinson,
Brantley	Grenshaw	8									7.97		3.16	0.0	6					H. H. Howell,
Brundidge	Pike	516	8								7.92		7.10	0.0	5					A. A. Sheppard,
Camp Hill	Tallapoosa	738	87	78.6	-3.0	92	5	50	28†	32	1.64	+1.23	1.18	0.0	5					Dr. Lynn Ward,
Centerville	Bibb	345	21	74.5	-1.9	94	4	44	28	30	3.95	+0.93	2.40	0.0	10					Clara H. Cottingham,
Clinton	Chilton	550	46	74.6	-0.9	94	51	48	28†	37	2.77	-0.45	2.91	0.0	7	4	24	2		Hugh M. Simpson,
Clayton	Barbour	580	10								7.83		2.20	0.0	4					G. G. Warren,
Dadeville	Tallapoosa	760	34								2.10	-0.60	0.68	0.0	6					Dr. W. B. Fulton,
Dancey	Pickens	208	32								5.46	+2.83	1.82	0.0	7	18	7	5	n.	E. F. Smith,
Demopolis	Marengo	109	45								4.93	+1.70	2.30	0.0	7					John J. Sayers,
Kimball	Barbour	200	54	75.8	-0.4	96	4	54	18†	34	4.91	+1.25	1.98	0.0	5	10	10	10	nw.	H. E. Maugans,
Gainesville	Sunter	220	70	76.1	+0.1	95	8†	50	28†	33	7.42	+4.34	3.60	0.0	7	16	6	9	n.	M. C. Fields,
Greensboro	Hale	220	70	76.1	+2.1	93	8	53	28†	33	9.43	+1.60	2.15	0.0	5					W. E. W. Verby,
Greenville	Butler	444	56	74.6	-2.1	93	8	53	28†	33	5.58	+2.83	3.80	0.0	10					E. M. Lewis,
Hightower Home	Tallapoosa	240	46	75.0	-1.7	93	7†	52	29	31	2.25	-1.16	1.37	0.0	3	14	8	8	w.	Claude L. Rhodes,
Jordan Dam	Elmore	290									3.44		1.26	0.0	17					Alabama Power Co.,
Lay Dam	Cocca	420									2.36		0.97	0.0	7					Do.
Lock No. 2 44	Choctaw	23	4								2.65		0.56	0.0	8					E. W. Sturdivant,
Lock No. 3 44	do	33	4								2.96		1.18	0.0	7					Alabama Power Co.,
Marion	Perry	263	46								5.67	+2.82	4.05	0.0	4					Air Corps, U. S. Army,
Martin Dam 44	Tallapoosa	340	13	74.6	-2.7	92	9	46	28†	33	5.98	+2.27	4.49	0.0	4	15	9	6	ne.	Joseph D. Autery,
Maxwell Field 44	Montgomery	165	4	75.0		91	4†	64	28	39	1.61	-1.44	0.65	0.0	7	9	10	11		T. C. Carr,
Millers Ferry	Whitox	75									1.60	-1.41	0.41	0.0	9					Alabama Power Co.,
Milstead	Marion	206	37								1.41	-1.68	0.50	0.0	5					U. S. Off-Airway Station,
Mitchell Dam 44	Chilton	359									2.34		1.39	0.0	6					U. S. Weather Bureau,
Monroeville	Monroe	404		74.7		92	4	50	28†	29	3.51		2.13	0.0	7	12	10	8	e.	y. Do.
MONTGOMERY	Montgomery	201	66	74.8	-1.5	91	4	51	28	35	4.27	+4.21	1.42	0.0	7	12	8	10	ne.	Jonathan E. Bell,
Montgomery Airport	do	221	73	73.2		91	8	49	28	33	7.25		4.42	-0.0	9					W. E. Elsherry, Jr.
Prattville</td																				

Climatological Data for September 1937

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.				Precipitation, in inches				Number of days				Observers			
				Mean	Departure from the normal	Highest Date	Lowest Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Snowfall (unselected)	With precipitation (0.01 inch or more)	Clear	Partly cloudy	CLOUDY			
<i>Southern Division</i>																			
Brewton (near).....	Escambia.....	85	23	76.2	-1.1	95	97	46	28	35	2.92	-1.80	2.06	10.0	8	14	7	9	W. B. Peavy...
Citronelle.....	Mobil.....	331	50	76.1	-1.9	94	9	53	28	27	3.29	-1.76	0.96	0.0	8	15	6	9	E. O. Jones.
Coffee Springs.....	Geneva.....	255	15	.....	.....	.....	.....	.....	.....	.....	7.20	+1.84	4.95	0.0	8	15	5	10	K. P. Williams.
Columbia.....	Houston.....	2	.....	.....	.....	.....	.....	.....	.....	.....	7.78	.....	6.21	0.0	7	.....	.....	.....	Coy Thompson.
Dothan.....	do.....	355	20	.....	.....	.....	.....	.....	.....	.....	9.33	+4.07	6.60	0.0	7	12	9	9	W. B. Off-Airway Station.
Elba.....	Coffee.....	204	10	.....	.....	.....	.....	.....	.....	.....	11.35	.....	5.05	0.0	8	.....	.....	.....	Carl Folsom.
Evergreen.....	Conecuh.....	255	54	75.2	-2.1	96	8	53	28	36	2.28	-1.75	1.18	0.0	7	.....	.....	.....	Mrs. Luia O. Kelly.
Fairhope.....	Baldwin.....	20	75.9	-2.4	95	9	54	28	28	5.57	-1.09	2.65	0.0	7	.....	.....	.....	Harold Yates.	
Frisco City.....	Monroe.....	8	.....	.....	.....	.....	.....	.....	.....	.....	1.43	.....	0.73	0.0	4	.....	.....	.....	J. Driscoll.
Geneva.....	Geneva.....	107	13	.....	.....	.....	.....	.....	.....	.....	8.59	+4.28	5.52	0.0	9	.....	.....	.....	W. C. Campbell.
Lock No. 1††.....	Clarke.....	11	4	.....	.....	.....	.....	.....	.....	.....	2.01	.....	0.99	0.0	11	.....	.....	.....	U. S. Engineers.
Milry.....	Washington.....	362	37	.....	.....	.....	.....	.....	.....	.....	2.65	-1.52	1.54	0.0	4	15	10	5	sw. H. T. Newell.
Mobile.....	Mobile.....	108	67	76.7	-1.4	93	9	54	28	24	3.18	-1.84	1.73	0.0	10	10	6	14	U. S. Weather Bureau.
Mobile Airport.....	do.....	46	.....	76.0	.....	94	9	51	28	29	3.99	.....	1.37	0.6	8	13	6	12	Do.
Newton.....	Dale.....	216	22	.....	.....	.....	.....	.....	.....	.....	13.14	+8.78	10.86	0.0	3	.....	.....	.....	S. T. Jones.
Ozark.....	do.....	400	45	73.8	-3.9	91	87	53	29	29	13.70	+9.41	10.40	0.0	7	12	11	7	No. Mrs. Mary E. Scott.
River Falls.....	Covington.....	159	10	.....	.....	.....	.....	.....	.....	.....	5.78	.....	2.04	0.0	8	.....	.....	.....	J. S. White.
Robertsdale.....	Baldwin.....	148	26	75.8	.....	97	9	51	28	30	3.84	-3.63	1.85	0.0	9	20	5	6	Carl Biseck.
Seven Hills††.....	Mobile.....	180	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. Lloyd Abbot.	
Division means and extremes.....	.....	.....	75.7	-1.7	97	9	46	28	36	5.99	+0.93	10.86	0.0	8	14	7	9	ne.	
State means and extremes.....	.....	.....	73.7	-2.0	97	9	40	29	40	3.98	+0.44	10.88	0.0	7	14	9	7	ne.	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. With the exceptions of those for first-order Weather Bureau Offices at Birmingham, Mobile, and Montgomery, departures of precipitation with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used.

Reference letters, a, b, c, appearing in the table indicate number of days missing: for example: b represents two days, etc.

T. Precipitation is less than 0.01 inch rain or melted snow. † Also on other dates. †† Received too late to be included in means and summaries.

§ No report received, or record incomplete. * Interpolated. §§ Not used in averages.

† Post-office addresses of these stations are as follows: Of Lock No. 1-Salitpa; of Lock No. 2-Pennington; of Lock No. 3-Edna; of Lock No. 4-Lincoln; of Maple Grove, Leesburg; of Martin Dam, Tallasse; of Pinrose Farm, Montgomery; of Riverton, Cherokee; of Seven Hills, Spring Hill; of Maxwell Field, Montgomery.

River Data for September 1937

Stations and rivers	Gage heights-feet						Precipitation (inches)	Stations and rivers	Gage heights-feet						Precipitation (inches)
	Flood stage	Avg stage	Highest	Date	Lowest	Date			Flood stage	Avg stage	Highest	Date	Lowest	Date	
Tennessee River															
Bridgeport, Ala.....	18	6.9	7.7	12	5.3	10+	2.86	.....	46	12.8	19.4	3	9.2	80	6.66
Guntersville, Ala.....	25	7.4	10.5	13	6.0	20	3.02	.....	34	3.9	7.1	5	2.2	21†	3.51
Decatur, Ala.....	24	15.6	17.2	1	15.0	12†	1.58	.....	29	2.9	6.6	5	1.0	80	2.57
Florence, Ala.....	18	2.2	3.2	5†	1.1	19†	4.76	.....	36	5.3	9.6	8	4.0	21†	4.90
Riverton, Ala.....	33	11.3	13.7	6	9.7	21	6.79	.....	36	4.2	9.7	7	1.3	21†	5.58
Alabama River and tributaries															
Canton, Ga., Etowah River.....	17	1.9	3.3	1	1.2	15	1.68	.....	39	21.3	29.0	4	9.1	80	2.96
Cartersville, Ga., Etowah River.....	24	5.4	8.4	9	4.6	25†	1.78	.....	46	15.5	24.6	5	8.9	30	2.65
Resaca, Ga., Oostanaula River.....	22	2.5	4.1	9	1.9	24†	1.66	.....	31	18.7	20.1	7	8.5	21†	2.91
Rome, Ga., Oostanaula River.....	25	5.7	7.0	11	5.0	24†	2.52	.....	.....	.....	.....	.....	.....	.....	.....
Mayo's Bar, Ga., Coosa River.....	28	1.4	3.7	10	0.5	26†	1.12	.....	.....	.....	.....	.....	.....	.....	.....
Gadsden, Ala., Coosa River.....	20	3.2	3.6	3†	1.2	27†	1.12	.....	.....	.....	.....	.....	.....	.....	.....
*Lock No. 4, Ala., Coosa River.....	17	1.2	3.3	3	0.0	30	3.76	.....	.....	.....	.....	.....	.....	.....	.....
Childersburg, Ala., Coosa River.....	24	3.4	3.9	4	1.6	27†	1.92	.....	.....	.....	.....	.....	.....	.....	.....
Wetumpka, Ala., Coosa River.....	15	6.3	10.1	3	5.0	14†	2.71	.....	.....	.....	.....	.....	.....	.....	.....
Milstead, Ala., Tallapoosa River.....	40	4.1	9.0	7†	0.2	20	1.41	.....	.....	.....	.....	.....	.....	.....	.....
Montgomery, Ala., Alabama River.....	35	4.3	8.0	3	1.3	26	7.53	.....	.....	.....	.....	.....	.....	.....	.....
Selma, Ala., Alabama River.....	45	6.4	13.7	4	3.3	28	1.61	.....	.....	.....	.....	.....	.....	.....	.....
Millers Ferry, Ala., Alabama River.....	40	10.3	18.5	4	6.8	30	4.42	.....	.....	.....	.....	.....	.....	.....	.....
Centerville, Ala., Cahaba River.....	23	3.1	8.3	10	1.9	28†	3.98	.....	.....	.....	.....	.....	.....	.....	.....

† Also on other dates. * Near Lincoln, Ala. b Lock No. 4. c Near Edna, Ala. d Near Pennington, Ala. e Near Salitpa, Ala. * Partly interpolated.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)				Wind		Relative humidity	Percentage of sun-shine	Stations	MAXIMUM RAINFALL AT REGULAR STATIONS*				Total monthly		
	Mean	Highest	Date	Lowest	Average hourly velocity	Maximum velocity	Direction	Date	5 min.	10 min.	15 min.	30 min.	1 hour	2 hours	24 hours	
Anniston.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Birmingham.....	30.03	30.32	29	29.78	11	6.0	20	se.	84	87	56	66	67	1918	1.18	1918
Mobile.....	30.00	30.26	29	29.74	11	8.6	26	nw.	11	88	58	71	64	1916	1.91	1916
Montgomery.....	30.03	30.34	29	29.72	11	6.3	20	sw.	6	88	57	64	69	1920	0.79	1920
Aves. and extremes.....	30.02	30.34	29	29.72	11	7.0	26	nw.	11	87	57	67	67	1918	1.78	1918

* First amount greatest previous; second, current month.

† The 24 hour amount which occurred August 31st into September 1st was printed in August issue. These amounts for short periods occurred on September 1st, as here stated.

Daily Temperatures for September 1937

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
<i>Northern Division</i>																																
Albertville	{ Maximum ..	82	86	85	85	88	89	85	86	88	79	75	80	79	75	77	81	85	80	85	83	83	85	84	79	72	74	79	80	81.8		
	Minimum ..	70	72	63	66	67	70	63	69	70	65	60	57	56	49	49	57	53	47	51	59	60	59	57	56	49	45	46	56	59		
Anniston	{ Maximum ..	71	83	85	87	88	88	86	88	89	85	76	85	82	81	80	85	76	81	85	85	85	85	86	84	80	71	76	75			
	Minimum ..	75	74	69	69	70	71	70	72	72	68	68	58	57	49	50	57	60	62	54	61	63	64	61	60	56	51	53	58			
Birmingham **	{ Maximum ..	71	86	87	88	87	86	88	89	85	76	85	82	81	80	81	85	76	81	85	85	85	85	86	84	81	77	81	82			
	Minimum ..	72	73	70	72	71	72	73	71	71	64	60	58	52	56	62	57	55	59	63	66	65	65	66	64	60	51	54	59	63.4		
Birmingham Airport	{ Maximum ..	80	88	88	88	86	88	85	88	85	73	83	81	80	79	80	85	76	82	89	82	82	89	83	80	79	79	82	84			
	Minimum ..	73	73	69	71	70	72	72	71	71	73	57	55	49	51	59	57	53	54	60	65	64	62	57	47	45	52	53	61.8			
Decatur	{ Maximum ..	89	87	88	86	85	87	88	85	80	82	82	78	78	75	78	73	71	81	85	89	89	89	84	84	75	73	78	82	87		
	Minimum ..	75	78	72	70	74	73	70	72	74	69	73	62	60	58	58	62	51	48	54	62	64	64	60	57	52	46	49	49			
Florence	{ Maximum ..	88	85	90	89	85	84	89	90	88	78	84	84	80	78	80	85	80	89	90	89	89	88	86	87	86	71	78	82	84		
	Minimum ..	75	73	74	72	74	72	68	68	74	73	72	68	58	57	49	50	57	60	62	56	64	64	60	56	49	42	46	53	61.7		
Gadsden	{ Maximum ..	88	91	92	91	90	92	91	94	89	87	89	86	84	82	85	85	88	88	89	88	88	88	88	88	88	88	88	88	85.8		
	Minimum ..	73	73	68	69	69	72	71	70	72	66	72	60	58	52	48	57	57	64	64	63	60	65	65	62	49	46	55	61.2			
Goodwater	{ Maximum ..	76	87	88	88	89	87	88	89	89	80	86	86	80	81	88	86	86	86	86	86	86	86	86	86	86	86	86	86	82.6		
	Minimum ..	71	72	70	69	69	70	69	70	69	65	71	65	62	57	58	59	57	61	61	63	62	61	61	57	54	52	44	54	61.5		
Haleyville	{ Maximum ..	85	85	85	85	81	87	85	88	85	78	81	80	79	76	82	84	83	85	86	86	85	85	85	85	85	85	85	85	82.1		
	Minimum ..	70	70	69	69	69	69	69	69	69	65	69	65	60	58	50	51	49	51	61	61	60	54	46	46	46	46	46	50	60.3		
Lock No. 4	{ Maximum ..	83	89	85	89	88	86	88	89	87	81	77	84	81	79	80	85	84	87	84	87	84	88	84	84	84	84	84	84	83.0		
	Minimum ..	73	73	65	65	65	71	71	70	69	65	70	59	59	50	57	59	61	61	62	57	56	59	49	47	48	52	52	60.3			
Madison	{ Maximum ..	88	88	88	88	88	87	88	88	88	82	85	82	81	78	85	85	85	86	86	86	86	86	86	86	86	86	86	86	84.4		
	Minimum ..	73	73	70	69	71	70	71	70	72	67	71	65	62	57	58	57	50	51	60	62	63	60	61	55	50	44	44	44	60.7		
Riverton	{ Maximum ..	85	85	85	85	85	85	85	85	85	81	85	80	79	76	82	84	82	85	83	85	85	85	85	85	85	85	85	85	85		
	Minimum ..	70	70	69	69	69	69	69	69	69	65	69	65	60	58	51	51	49	51	61	61	63	62	61	61	57	51	51	51	51		
St. Bernard	{ Maximum ..	84	85	84	85	86	87	86	85	85	80	81	80	78	75	85	85	80	86	84	83	83	82	82	82	82	82	82	82	82.4		
	Minimum ..	72	71	70	68	70	70	70	71	71	67	72	67	57	56	48	48	56	55	54	56	61	62	63	62	52	50	50	51	56.5		
Scottsboro	{ Maximum ..	86	88	87	89	84	84	88	86	86	81	81	81	78	77	81	84	82	85	85	85	84	84	84	84	84	84	84	84	81.6		
	Minimum ..	67	69	65	68	65	67	69	70	70	67	70	50	54	47	46	56	57	60	55	55	55	55	55	55	55	55	55	55	57.5		
Talladega	{ Maximum ..	77	89	85	86	86	87	86	87	86	80	89	84	82	80	84	81	89	80	88	86	86	87	86	87	86	87	86	87	82.8		
	Minimum ..	75	74	68	69	70	70	71	70	70	67	71	65	59	57	49	49	57	62	54	52	52	52	52	52	52	52	52	52	60.3		
Tuscaloosa	{ Maximum ..	88	89	89	90	91	91	91	91	91	87	82	82	82	82	82	82	85	85	85	85	85	85	85	85	85	85	85	85	85.7		
	Minimum ..	74	73	70	75	73	73	73	73	73	78	73	61	58	52	55	61	61	65	65	65	65	65	65	65	65	65	65	65	63.0		
Tuscumbia	{ Maximum ..	92	92	90	88	85	91	90	94	96	85	85	84	81	79	86	86	86	87	85	85	85	85	85	85	85	85	85	85	85.3		
	Minimum ..	73	72	72	72	71	72	71	72	72	68	72	68	58	58	49	50	60	60	60	61	60	60	63	63	63	63	63	63	62.2		
Valley Head	{ Maximum ..	85	84	85	84	84	85	85	85	85	80	82	81	78	78	85	84	81	84	85	85	85	85	85	85	85	85	85	85	85.6		
	Minimum ..	76	69	66	68	67	69	65	66	64	61	57	60	43	43	43	43	63	64	65	65	65	65	65	65	65	65	65	65	65		
<i>Middle Division</i>																																
Auburn	{ Maximum ..	84	88	91	91	89	90	91	93	79	79	88	86	89	86	89	90	84	87	87	87	87	87	87	87	87	87	87	87	85.3		
	Minimum ..	75	72	69	70	70	70	70	73	67	71	61	60	55	52	56	56	53	61	64	61	63	64	63	60	51	51	51	51	63.6		
Camp Hill	{ Maximum ..	81	90	90	90	90	89	90	92	88	81	89	85	84	85	83	87	87	89	89	89	89	89	89	89	89	89	89	89	85.2		
	Minimum ..	72	72	69	70	70	70	70	70	72	67	71	59	53	53	53	56	56	62	63	62	63	62	63	62	63	62	63	62.1			
Centerville	{ Maximum ..	85	91	92	94	92	93	92	93	92	90	82	91	86	85	85	86	90	81	89	92	92	92	92	92	92	92	92	92	87.8		
	Minimum ..	73	74	73	69	73	73	72	70	73	72	58	56	50	51	57	57	58	54	59	62	63	62	63	62	63	62	63	62.1			
Clanton	{ Maximum ..	81	87	85	84	84	84	84	84	84	80	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	86.1		
	Minimum ..	73	73	72	72	71	71	71	71	71	67	71	61	59	58	58	58	58	62	62	61	61	61	61	61	61	61	61	61	62.9		
Eufaula	{ Maximum ..	87	87	91	91	93	94	94	95	84	86	88	85	87	88	88	88	89	70	75	81	81	81	81	81	81	81	81	81	86.0		
	Minimum ..	74	74	70	71	71	71	71	73	70	73	65	63	59	54	55	55	56	60													

Daily Precipitation for September 1937.¹

Stations	Drainage basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
<i>Northern Division</i>																																	
Albertville	Tennessee	.08	.68	.16	.4	.36	.28	.13	.14	.05	.09	.12																			2.01		
Austinon	Coosa	.06	.10	.25	.10	T.	.07	T.	.10	.03	.04	.10																			0.75		
Belgreen	Tennessee	.15	.04	T.	.42	T.	.07	T.	.01	T.	.06	.03																		3.27			
Birmingham***	Black Warrior	1.17	.04	T.	1.42	T.	.01	T.	.06	.03																				2.81			
Bham Airp't	do	.34	.35	T.	T.	.59	.24	.01	.22	.01	.23																		2.06				
Bishop	Tennessee	1.52	.38	.23	.06																										3.44		
Bridgeport	do																														2.86		
Cahaba	Coosa	1.31	.07	.16	.31	.52	.01	T.	.04	.09																				2.51			
Center Grove	Tennessee	.07	.25	.00		.10	.02	.04	1.20	.12	.01																		2.00				
Childersburg	Coosa	.64	.46	.02		.38				.30	.12																			1.92			
Cochran	Tombigbee	.35	.04	.45																											4.00		
Cordova	Black Warrior	1.15	.63	.50		.53			.90		1.04																			5.15			
Decatur	Tennessee	T.	.15	.49	.36	T.	.10	.21	.15	.14																			1.88				
Florence	do	.63	.38		.04	.26																								5.42			
Florence Cat Lake	do	.53	.21		.22	.24																								4.70			
Fort Payne	Coosa		T.	.10		.99	.11	T.		.38																				1.58			
Gadsden	do	.25	.24			.43			.09	.04																				1.12			
Goodwater	do	.64	.33	.09		.30			.74		.18																			2.28			
Gorgas	Black Warrior	.83	.35	.09		.53	.10	.18	.37	.02	.13																		5.76				
Guntersville Dam	T.	.40	.06	.63	.05				1.15	.35	.05																		3.02				
Haleyville	do	.02	T.	.05	.42	.21				.16	.03																		2.20				
Helenal	Black Warrior	.25	.50	.16		.56			.45	.13																				4.10			
Huntsville	Cahaba	.31	.09	.05	.91	.05	.03		.23																					2.84			
Hixton	do	.19	.32		.12	.06	.16	T.	.02	T.	T.																		3.08				
Jackson Shoals	Coosa	.02	.05	.10	.35	.40	.02		.51	.42	.02	.12																	3.02				
Leeds	Cahaba	.26	.39		.96				.46		.39	.02	.12																3.59				
Lock No. 4	Coosa		1.32	.19					.05		.06	.22	.02	.12															3.76				
Madison	Tennessee	1.77	.10	.10	.22	.07	.25	.04				.10																	2.79				
Magelia	Black Warrior	.60	.83		.21	.19			.23		.15																			2.34			
Maple Grove	Coosa					.23		.57		.13	.07	T.																	2.30				
Meridianville	Tennessee	.29	.08		.19	.56			.38		.18																			2.04			
Miltown	Tallapoosa					.10	.25			.30	.10	.15	.12																1.62				
Oneonta	Black Warrior	.02	.01	.57	.24	.17	.47	.07	.25	.04																		1.99					
Paint Rock	Tennessee	.20		.25		.95	.63	.13																					2.85				
Riverton	do	.29	.60	.10		.31	.19																							6.79			
St. Bernard	Black Warrior	.03	.19	.79	T.	T.																								1.35			
Scottsboro	Tennessee	.08	T.		.11	.04	.01	.02		.18																			0.93				
Sheffield	do	1.78	.12																												5.13		
South Hill	do																														5.13		
Sylacauga	Coosa	.39	.27	.07																											3.23		
Talladega	do																														2.63		
Tuscaloosa	Black Warrior	.03	4.00	.60	.45				.98	.17																				5.66			
Valley Head	Coosa		.22	.12	.20				.29																					5.44			
Wadley	Tallapoosa	.33	.19			.25	.92	.30	.50																				2.27				
Wheeler Dam	Tennessee	1.30	.06			.15	.35																							1.88			
Winfield (near)	Tombigbee		3.20	1.44					.04	T.	T.																			5.83			
<i>Middle Division</i>																																	
Auburn	Tallapoosa	.81	.27																												1.41		
Brundidge	Choctawhatchee	3.16	2.31																												7.97		
Camp Hill	Tallapoosa	7.10	.63	.10																											7.92		
Centerville	Cahaba	1.18	.03																												1.64		
Clinton	Coosa	12.2	.31	.17	.01																										3.93		
Clayton	Choctawhatchee	3.03	.91	.24	.21																										2.77		
Dadeville	Tallapoosa	.68	.41	.38																											7.85		
Dancy	Tombigbee	1.82	.81																												2.10		
Demopolis	do		.68	1.36	.20	.16																								5.45			
Entiat	Chattahoochee	1.79	1.13																												4.93		
Gainesville	Tombigbee	.30	1.99	.41	1.19	.15	.47																						5.58				
Greensboro	Black Warrior	.76	3.60	.02	.00	.37																								7.42			
Greenville	Conecuh	2.15	.21	.12																										4.93			
Hugh and Home	do	2.07		.23	.16	.26																								2.25			
Jordan Dam	Coosa																														3.44		
Lay Dam	do	.78	.03	.97																											2.36		
Loc. No. 2	Tallapoosa	.23	.48	.30	.36																										2.65		
Loc. No. 3	do	.29	.55	1.18	.36																										2.96		
Marietta	Cahaba	.60	4.65																														

Daily Precipitation for September 1937--continued

Records are for 24 hours ending at time of observation, which is usually made at sunset. ^{III} Measured in the morning, for preceding 24 hours. ^{***} Regular Weather Bureau stations, midnight to midnight. [†]Partly interpolated. [‡]Interpolated. [§]No report received, or record incomplete. ^{*}Included in the next following measurement. [¶] Separate dates of falls not recorded. T., Trace, or less than 0.01 inch.

Evaporation Data

Station	Data	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly
Fairhope...	{ Evaporation.....	.15	.14	.18	.14	.16	.21	.14	.18	.25	.18	.13	.27	.13	.15	.13	.12	.09	.04	.12	.13	.18	.15	.16	.15	.09	.16	.15	.14	.17	4.75		
	{ Wind movement..	.37	.32	.21	.17	.15	.19	.12	.16	.37	.15	.26	.57	.27	.17	.9	.12	.12	.10	.30	.41	.17	.23	.35	.24	.18	.34	.89	.26	.20	.24	723	

* Record from 4-cup anemometer (uncorrected). * Included in next measurement. + Estimated.

Cumulative Precipitation Averages for the Periods Specified Ending With the Month of September—Alabama